Title (en)

CONTROL MEANS FOR A DIRECT CURRENT MOTOR

Publication

EP 0105033 B1 19851113 (FR)

Application

EP 83810409 A 19830912

Priority

CH 560182 A 19820922

Abstract (en)

[origin: EP0105033A1] 1. Control means of at least one direct current motor (2), comprising a transducer (6) delivering signals representative of the angle of rotation of the rotor of said motor, said signals measuring the effective angular position (alpha) of said rotor, a generator of nominal value signals (15-19) delivering signals defining a nominal value of an angular position (beta) of said rotor, said effective position signals (Xr, Yr) and said nominal value position signals (Xc, Yc) being formed each of two signals mutually phase-shifted by a determined angle, each of said phase-shifted signals being a sinusoidal function of the angle (alpha) of the effective position, respectively of the angle (beta) of nominal value position of said rotor and means (11) delivering from said signals of effective position and of nominal value position an error signal (d) representative of the angular difference (epsilon) between the effective position and the nominal value position of the rotor, said control means controlling a displacement of said rotor such as to cancel out said error signal, characterized in that said generator of nominal value signals comprises addressing means (15) generating address signals for two storage units (16, 17) of nominal value which deliver said nominal value signals (Xc, Yc) in response to said address signals, said error signal delivering means (11) receiving said mutually phase-shifted signals and delivering said error signal (d) which is depending on said angular difference (epsilon).

IPC 1-7

H02P 6/02; G05D 13/62; G05D 3/14

IPC 8 full level

G05B 19/23 (2006.01); **G05D 3/20** (2006.01); **H02P 5/56** (2016.01); **H02P 6/06** (2006.01)

CPC (source: EP)

G05B 19/237 (2013.01); **G05D 3/20** (2013.01); **H02P 5/56** (2016.02); **H02P 6/06** (2013.01)

Cited by

EP0273052A4; EP0323860A3; EP0263685A3

Designated contracting state (EPC)

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EP 0105033 A1 19840404; **EP 0105033 B1 19851113**; CH 656266 A5 19860613; DE 3361238 D1 19851219

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